

Publication

EP 0837522 A3 19980603 (EN)

Application

EP 97308058 A 19971010

Priority

GB 9621465 A 19961015

Abstract (en)

[origin: EP0837522A2] This invention relates to radio communications and in particular relates to an adaptive antenna system for a radio communications system. In radio communications, signals are transmitted at a particular frequency or in a frequency band. The signals may be modulated in a variety of fashions using techniques such as Time Division Multiple Access (TDMA), Frequency Division Multiple Access (FDMA), and a multitude of other techniques. Nevertheless there are a finite number of available individual communications channels for separate sets of parties to communicate with each other. The present invention seeks to provide an improved form of adaptive signal transmission and reception without unduly increasing the signalling overhead of the system. According to one aspect of the invention there is provided a radio system operating over a channel having characteristics such that parameters of a transmission path can be predicted from received signals; said system comprising means for analysing signals received from said channel and a plurality of signal generation means adapted to vary output in response to said signal analysis. <IMAGE> <IMAGE>

IPC 1-7

H01Q 3/26

IPC 8 full level

H01Q 3/26 (2006.01); **H04B 7/06** (2006.01); **H04B 7/26** (2006.01)

CPC (source: EP US)

H01Q 3/2605 (2013.01 - EP US)

Citation (search report)

- [XY] WO 9629836 A1 19960926 - SIEMENS AG [DE], et al
- [XY] EP 0595247 A1 19940504 - ATR OPTICAL AND RADIO COMMUNIC [JP]
- [X] WO 9509490 A1 19950406 - ERICSSON TELEFON AB L M [SE]
- [X] US 5260968 A 19931109 - GARDNER WILLIAM A [US], et al
- [A] MITSUHIKO MIZUNO ET AL: "APPLICATION OF ADAPTIVE ARRAY ANTENNAS TO RADIO COMMUNICATIONS", ELECTRONICS & COMMUNICATIONS IN JAPAN, PART I - COMMUNICATIONS, vol. 77, no. 2, February 1994 (1994-02-01), pages 48 - 58, XP000468597

Cited by

EP1693973A4; US7515555B2

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